

**What is claimed is:**

1. A fixing device, comprising:

a heating roller being rotatable in a rotating direction and having a rotating circumferential surface to come in contact with a recording medium holding non-fixed developing agent images so as to heat and melt said non-fixed developing agent images; and

a temperature detecting unit having a temperature detecting element to detect temperature of said rotating circumferential surface of said heating roller and a support member to support said temperature detecting element;

wherein said support member is arranged to come in contact with said rotating circumferential surface at a first contact position on said rotating circumferential surface, said temperature detecting element is arranged to come in contact with said rotating circumferential surface at a second contact position on said rotating circumferential surface and said second contact position is located upstream of said first contact position in the rotating direction.

2. The fixing device of claim 1, wherein said second contact position is distant by 1.0 mm or less from said first contact position in the rotating direction.

3. The fixing device of claim 1, wherein said temperature detecting element comes in contact with said heating roller via a heat-resistant film.

4. The fixing device of claim 1, wherein said support member is mounted movably so that said second contact position of said temperature detecting element can be adjustable.

5. The fixing device of claim 1, wherein said support member is a plate member and wherein one end portion of the plate member is fixed in the fixing device and the other end portion of the plate member is pressed toward said rotating circumferential surface so that said plate member comes in contact with said rotating circumferential surface at the first contact position.

6. The fixing device of claim 5, wherein said plate member is separated into two plates and said temperature detecting element is supported between the two plates.

7. The fixing device of claim 5, wherein said plate member is covered with a heat-resistant film and said plate member comes in contact with said rotating circumferential surface through the heat-resistant film.

8. An image forming equipment, comprising:  
said fixing device described in claim 1.